SPECweb96 Result

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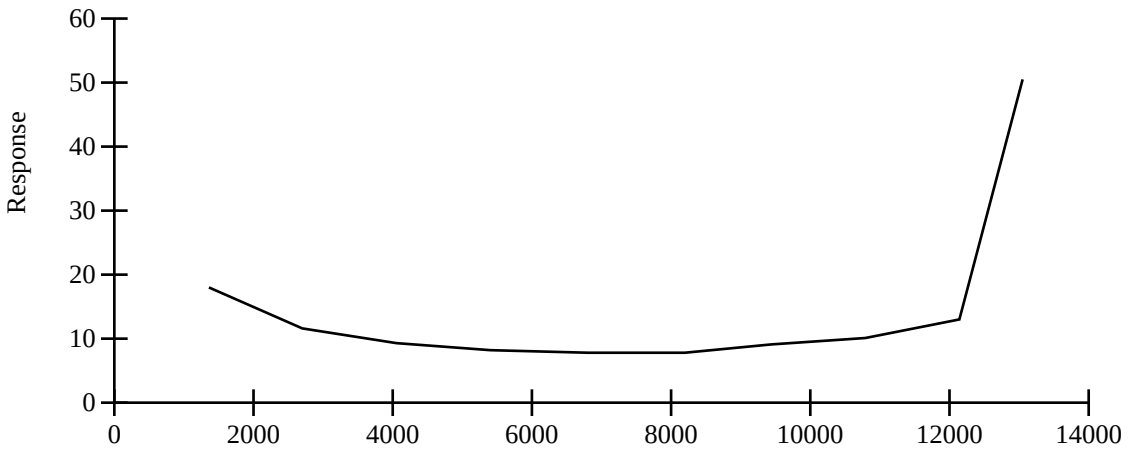
Hewlett-Packard
HP 9000/N4000

SPECweb96= 13051

Test Date : Apr-99
Tested by : HP, Cupertino, Ca.

Hardware Avail:	Sep-99	OS Avail:	Jun-99	HTTP Software Avail:	Aug-98	SPEC license #:	3

Throughput ops/sec	Response msec
1359	18.0
2701	11.6
4053	9.3
5404	8.2
6808	7.8
8197	7.8
9440	9.1
10791	10.1
12142	13.0
13051	50.5



Hardware

Model Name:	9000/N4000
Processor:	PA8500 440MHz
# of Processors:	4
Primary Cache:	.5MBI+1MBD on chip
Secondary Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	1 ST34572WS, 2 ST39102LC, 1 HP A3700A Array
Disk Controllers:	1 Ultra SCSI, 2 F/W SCSI Controllers
Other Hardware:	--

Software

Operating System:	HP-UX 11.0 Extension Pack 990P
File System:	HFS
Other Software:	J1642AA Dart 45 Gigabit Ethernet

HTTP Software

Vendor:	Zeus Technology Limited
HTTP Software:	Zeus 1.3.3
# of "threads":	4
Server Cache:	See Notes
Log Mode:	Common Log Format

Network

# of Controllers:	4
Network Controllers:	HP A4926A PCI Gigabit Ethernet
# of Nets:	4
Type of Nets:	Gigabit Ethernet
Network Speed:	1000 Mbps
Time Wait (secs):	60 (Non RFC1122)

Load Generators

# of Load Generators:	48
# of Processes Each:	14
Model:	HP 9000/A180C
Processor:	180Mhz PA7300LC
# of CPUs:	1
Memory:	128MByte
OS:	HPUX 11.0 32-bit
Compiler:	HP92453-01 A.10.32.03 HP C Compiler

Benchmark Configuration

Max Requested Load:	13500
Max Fileset Size (MB):	2538

Notes/Tuning Information

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4 HP Procurve 1600M Switches; 4 Gigabit Lans to the SUT; MTU=1500
Zeus options: -t 86400 : Set cache timeout to 86,400 seconds
              -l   200 : Set listen queue length
              -f 25000 : Set maximum number of file descriptors
              -q       : Set quick mode
chatr +pi L +pd 64M on zeus executable to set large page size
tcp_conn_request_max=1024; tcp_xmit_hiwater_def=2000000; tcp_conn_strategy=2400
Each Zeus thread bound to an unique IP address
Logs mounted with 'behind' option; tcphashsize = 16384
gbeutil /dev/gelan* write 0x63c 32
gbeutil /dev/gelan* write 0x640 12
gbeutil /dev/gelan* write 0x630 10000
```

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